For research purpose only. Not for use in diagnostic procedures for clinical purposes. For IN VITRO USE ONLY.

ISO 9001/14001 Certified Company

Surface Decontaminant

RNase WiPER™

Cat. No. 21131 200 ml x 2ea

DESCRIPTION

RNase WiPER™ is easy to use and safer than traditional alternatives such as DEPC, a known carcinogen. RNase WiPER™, surface decontaminant, can be used to remove RNase and DNA contamination from bench tops, instruments, pipettors, glass and plastic ware. Ideal for lab-ware and surfaces that cannot be autoclaved. Ready to use right out of the bottle, these solutions leave no residue on work surfaces when used as directed.

KIT CONTENTS and STORAGE

Label	Description	Contain
RNase WiPER™	**RNase WiPER™**	200 ml x 2 ea

- All components : store at room temperature
- It is stable for 1 year. When stored at lower temperature, it may generate a precipitate. The precipitate can be easily brought into solution by incubating at 37°C

NOTES FOR BEFORE USING RNase WiPER™

☐ Wear gloves when handling RNase WiPER™. Contact of RNase WiPER™ to skin can cause mild irritation. Please refer to the follow description.

Product Description: This product is a clear and colorless liquid with a mildly fragrant odor.
Health Hazards: The product is mildly to moderately irritating to skin, eyes, mucous membranes and other tissues which may be contaminated(depending on duration and concentration of exposure).
Flammability Hazards: This product is not flammable. If this product is involved in a fire, the decomposition products generated will include irritating vapors and toxic gases (including sodium oxides).
Reactivity Hazards: This product is not reactive.
Environmental Hazards: Large quantities released to the environment may have an adverse effect.
Emergency Considerations: Emergency responders should wear appropriate protection for situation to which they respond.

☐ DO NOT dilute because dilution will reduce its effectiveness. If there is a precipitate (as may happen at low temperatures), shake and/or heat at 37°C to bring the precipitate back into solution.

☐ Please note that RNase WiPER™ should not be used on corrodible metal surfaces.

For Use

[For cleaning of laboratory surface]

1. Remove the safety device.
2. Spray RNase WiPER™ directly to the lab surface to be decontaminated.
   Note : Use in well ventilated area.
3. Wipe the wet surface thoroughly with a RNase-free laboratory wipe.
4. Rinse with sterilized distilled water and then wipe the wet surface thoroughly with a RNase-free laboratory wipe.
5. Dry and remove any remaining residue with a fresh laboratory wipe.

[For cleaning of laboratory apparatus]

1. Remove the safety device.
2. Spray RNase WiPER™ to the RNase-free laboratory wipe and wipe all exposed apparatus surfaces thoroughly.
   Note : Some small laboratory apparatus may be cleaned by soaking them in RNase WiPER™ and then rinse them with sterilized distilled water. After rinsing them, and then drying.
3. Rinse with a RNase-free laboratory wipe which is soaked with sterilized distilled water.
4. Dry and remove any remaining residue with a fresh laboratory wipe.

[For cleaning of plastic and glass vesseles]

1. Remove the safety device.
2. Pour or spray RNase WiPER™ to the vessel can be coated with the RNase WiPER™ upon swirling or vortexing.
3. After discarding the RNase WiPER™, rinse vessels thoroughly two times with sterilized distilled water.
4. Dry and remove any remaining residue.

[For cleaning pipettors]

1. Remove shaft from the pipettor according to manufacturers instructions.
2. Remove seals and gaskets from the shaft and then soak the shaft for 1 min in RNase WiPER™.
   Note : Before use RNase WiPER™ , remove the safety device firstly.
3. After 1 min, rinse the shaft thoroughly with sterilized distilled water.
4. Dry and remove any remaining residue.
5. Reassemble the pipettor.

EXPERIMENTAL INFORMATION

▪ ***Removal of RNase contamination with RNase WiPER™***

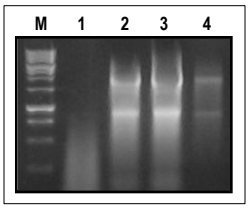

Fig. 1. Removal of RNase contamination with RNase WiPER™
The following lanes were exposed to RNA:
Lane 1, RNA standard exposed to a contaminated glass surface(unwashed) as a positive control; **lane 2,** Contaminated glass surface "wiped" with RNase WiPER™ and a Kimwipe; **lane 3,** Contaminated glass surface soaked overnight in RNase WiPER™ and rinsed with sterilized distilled water; **lane 4,** Contaminated glass surface soaked overnight in RNase WiPER™ and not rinsed.

▪ ***Eliminating DNA contamination with RNase WiPER™***

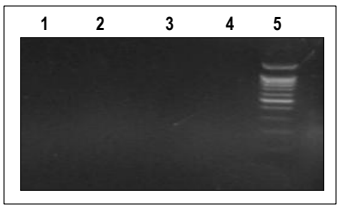

Fig. 2. Eliminating DNA contamination with RNase WiPER™
Lane 1, Residual DNA to which RNase WiPER™ was added then extracted; **lane 2,** Residual DNA to which RNase WiPER™ was added, extracted and then rinsed with Sterilized distilled water; **lane 3,** Residual DNA to which 10 μl of RNase WiPER™ were added; **lane 4,** 1 μg of DNA to which 9 μl of RNase WiPER™ were added; **lane 5,** 1 μg of DNA to which 9 μl of sterilized distilled water were added as a control.